

## **Claims**

1. A high strength poly one-side ream wrapper comprising;  
  
paper;  
  
copolymer and/or terpolymer resins;  
  
said copolymer and/or terpolymer resins comprising butene, hexene, and/or octene with ethylene in feed stocks;  
  
said copolymer and/or terpolymer resins being applied to a surface of said paper.
2. The product of claim 1 further comprising;  
  
low density polyethylene monomer resins.
3. A method for producing a high strength poly one side ream wrapper comprising;  
  
co-extruding a low density polyethylene resin with copolymer or terpolymer resins onto a paper surface.
4. The method of claim 3 wherein the low density polyethylene resin is a monomer utilizing ethylene feed stock.
5. The method of claim 3 wherein the copolymer and terpolymer resins are made by combining butene, hexene and/or octene feedstock with ethylene feedstock.
6. A method for producing a high strength poly one side ream wrapper comprising;  
  
feeding a copolymer and/or terpolymer into an extruder die creating an extrudate;  
  
coating a paper surface with said extrudate between a backing roll and a chill roll  
  
forming a poly coated paper with said copolymer and/or terpolymer coating.
7. A method for producing a high strength poly one side ream wrapper comprising;  
  
blending a low-density monomer polyethylene resin with a copolymer and/or terpolymer resin;  
  
feeding said mixture into an extruder die;

creating an extrudate;  
applying said extrudate to a paper surface between a backing roll and a chill roll;  
creating a poly coated paper with polyethylene monomer and copolymer or terpolymer  
blended into said monomer.

8. A method for producing a high strength poly one side ream wrapper comprising;  
coextruding a copolymer and/or terpolymer with a polyethylene monomer layer by  
feeding said copolymer and/or terpolymer layer and said polyethylene monomer layer  
through a coextruder die;

forming a coextrudate

applying said coextrudate to a surface of a paper wherein said copolymer and/or  
terpolymer layer face said paper surface, said co-extrudate being applied to said paper  
surface between a backing roll and a chill roll;

creating a poly coated paper having one layer of copolymer or terpolymer and one layer  
of polyethylene monomer.

9. The method of claim 8 further comprising:

blending said copolymer and/or terpolymer with a polyethylene monomer prior to said  
coextruding.

10. A high strength poly one side ream wrapper comprising;  
a co-extruded poly coated paper having one layer of copolymer or terpolymer on top of  
said paper and one layer of polyethylene monomer on top of said copolymer or  
terpolymer layer.

11. The high strength poly one side ream wrapper of claim 10 wherein said  
copolymer or terpolymer layer contains polyethylene monomer.

12. A method for producing a high strength poly one side ream wrapper comprising;  
coextruding said copolymer and/or terpolymer with a polyethylene monomer layer by  
feeding said copolymer and/or terpolymer layer and said polyethylene monomer layer  
through a coextruder die;  
forming a coextrudate;  
applying said coextrudate to a paper surface with said polyethylene monomer facing said  
paper; said coextrudate applied to said paper surface between a backing roll and a chill  
roll;  
creating a poly coated paper with one layer of copolymer or terpolymer and one layer of  
polyethylene monomer.

13. The method of claim 12 further comprising:

blending said copolymer and/or terpolymer with a polyethylene monomer prior to said  
coextruding.

14. A high strength poly one side ream wrapper comprising;

a co-extruded poly coated paper having one layer of polyethylene monomer on top of a  
paper layer and a layer of copolymer or terpolymer on top of said polyethylene monomer  
layer.

15. The high strength poly one side ream wrapper of claim 14 wherein said  
copolymer or terpolymer layer contains polyethylene monomer.

16. A method for producing a high strength poly one side ream wrapper comprising;  
coextruding a copolymer and/or terpolymer layer with a layer of polyethylene monomer  
on each side of said copolymer and/or terpolymer layer by feeding said copolymer and/or  
terpolymer layer and said polyethylene monomer layers through a coextruder die;

forming a coextrudate;

applying to a paper surface said coextrudate so that one of said polyethylene monomer layers faces said paper by running said coextrudate and said paper between a backing roll and a chill roll;

creating a poly coated paper with one layer of copolymer or terpolymer between two layers of polyethylene monomer.

17. The method of claim 16 further comprising;

blending said copolymer and/or terpolymer with a polyethylene monomer prior to said coextruding.

18 A high strength poly one side ream wrapper comprising;

a poly coated paper having one layer of polyethylene monomer on top of a paper layer followed by a layer of copolymer or terpolymer having on top of it a layer of polyethylene monomer.

19. The high strength poly one side ream wrapper of claim 18 wherein said copolymer or terpolymer layer contains polyethylene monomer.